

Frog Fire Incident Action Plan

Wednesday, August 5th, 2015

Day Shift, 0600 - 2000 hrs

AIR OPERATIONS

- Ensure Resources are clear of the Target Area during bucket or retardant use
- Evaluate the Risk vs Gain for each target
- Use the identified A/G frequency when Communicating with the aircraft
- Use only qualified personnel when involved with Long line operations



**KEEP A HIGH LEVEL OF
SITUATIONAL AWARENESS**
CA-MDF-000570 P5J0HP (0509)
MODOC NATIONAL FOREST

Northern California Incident Management Team 1

INCIDENT OBJECTIVES	1. Incident Name	2. Date	3. Time
	Frog	08/04/2015	1900
4. Operational Period August 05, 2015 DAY SHIFT			
<u>CONTROL OBJECTIVES</u> 1) Keep the Frog Fire: <ul style="list-style-type: none"> • South of Long Bell Station and 42N56 Road (County Road 56) • West of the Burlington Northern rail line • North of the 40N03 Road (County Road 95) • East of the WAPA powerlines <u>MANAGEMENT OBJECTIVES</u> 1) Plan and execute strategies and tactics with safety as the highest priority for incident personnel and the public. 2) Minimize impacts to infrastructure, private timberlands, range allotments, cultural resources, and critical habitat. 3) Minimize costs using the following considerations: the right plan, place, assets, duration, and time. 4) Provide timely and accurate information to the public, partners, and cooperators. 5) Promote and expect appropriate behavior based on duty, respect, and integrity.			
6. Weather Forecast for Period <ul style="list-style-type: none"> • See attached weather forecast. 			
7. General Safety Message <ul style="list-style-type: none"> • See attached safety messages. 			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief) Ed Paul		10. Approved by (Incident Commander) Jay Kurth <i>JK</i>	

ORGANIZATION ASSIGNMENT LIST		Ground Support Unit	Harry Zabel, Mike Jellison
1. Incident Name Frog		Communications Unit	Rick Cartoscelli, Harold Reed (t)
2. Date August 04, 2015	3. Time 2030	Medical Unit	Josh Ramey
4. Operational Period Day Shift August 05, 2015		Receiving & Distribution	Fred Johnson, Dion Nugent (t)
Position	Name	Security Manager	Mike Turner, Jon Selby
5. Incident Commander and Staff		Food Unit	Jay Westlake
Incident Commander	Jay Kurth	9. Operations Section	
Deputy	Steve Burns	Day Operations	Robin Wills, Dustan Mueller (t)
Safety Officer	Michele Tanzi, Jeff Barnhart	Night Operations	Curt Lindstrand
Information Officer	Jim Mackenson, Phyllis Swanson	Planning Ops	Curtis Coots, Don Fregulia (t)
Liaison Officer	Kent Swartzlander, Kathy Hardy	a. Division/Groups - Day	
Human Resources		Division/Group A / X	Trent Ingram
6. Agency Representative		Division/Group D	Jesse Knox, John Kaufman (t)
Agency Administrator	Amanda McAdams	Division/Group G	Mike Klimek, Brian Rogers (t)
Agency Admin Rep	Joe Reinarz, Tim Davis (t)	Division/Group H	Randy Jennings, Matt Radtke (t)
READ	Pete Johnston, Garret Noles (t), Megan Solus (t)	Division/Group J	Mike DeMello, Charles Christianson (t)
SPI Rep	Herb Baldwin	Division/Group Contingency	Leon Jeffrey, Graham Rice (t)
Beaty & Associates	Ross Brazil	Division/Group	
Cal Fire LMU Rep	Mike Smith	Division/Group	
		Division/Group	
		b. Division/Groups - Night	
		Division/Group A / D / X	Christopher Ruff, Travis Thane (t)
		Division/Group G	Rob Beery, Don Devriendt
		Division/Group H	Dan Lindley, Casey Cheesbrough
		Division/Group J	Steve Miller
		Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
7. Planning Section		c. Air Operations Branch	
Chief	Ed Paul	Air Operations Branch Director	Bruce Wicks
Deputy		Air Attack Supervisor	Dick Stillha
Resources / Demob / Documentation / Status-Check-in Unit	Gary Deboi, Rita Mustafia, Lou Ann Charbonnier, Tanya Costello (t)	Air Support Supervisor	Steven Beall
Situation Unit	Tim Ritchey (t)	Helicopter Coordinator	
Training	Dominic Panno	Air Tanker Coordinator	
CTSP	George Steel	10. Finance Section	
GIS	Matt Dickinson, James Gonzalez, Amaria Crocoll (t)	Chief	Lois Charlton
FBAN	John Wood	Time Unit	
IMET	Mike Smith	Cost Unit	Kenny Lucien
8. Logistics Section		Compensation/Claims Unit	Debbie McIntosh
Chief	Ken Kumpe	Equipment Time	Kari Linn
Deputy	Brett Shurr		
Supply Unit	Ron Pierce, David Alicea (t)	Prepared by (Resource Unit Leader) Gary R. Deboi	
Ordering	Tamara Hanna		
Facilities Unit	Frank DelCarlo, Jeff Huhtala		

DIVISION ASSIGNMENT LIST				1. Branch		2. Division/Group A/X		
3. Incident Name Frog Fire				4. Operational Period Date: August 05, 2015 Time: 0600- 2000				
5. Operations Personnel								
Operations Chief		Robin Wills Dustan Mueller (t)		Division/Group Supervisor		Trent Ingram		
Branch Director				Air Attack Supervisor No.				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator		Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG T6 Patrick Environmental (E-38)		Keith Rockow		8/15	3	N	0700	1900
ENG T6 Enterprises (E-41)		Richard Schraff		8/15	3	N	0700	1900
WT Killingbeck (E-44)		Merle Killingbeck		8/14	1	N	0700	1900
SOF2 (O-62)		Donald Bergstrand		8/16	1	N	0700	1900
7. Control Operations Hold and improve existing line. Mop up.								
Special Instructions: Backhaul all trash and excess supplies.								
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel	
Command	RX167.1000N TX169.7500N	CMD 5	1 (Tx Tone 146.2)	Air to Ground Primary	RX168.5000N TX168.5000N	A/G PRI	12	
Tactical Div/Group	RX166.7250N TX166.7250N	NIFC T5	9	Air to Ground Secondary	RX167.9000N TX167.9000N	A/G SEC	13	
Prepared by (Resource Unit Leader) Lou Ann Charbonnier		Approved by (Planning Section Chief) Ed Paul			Date August 04, 2015		Time 2200	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group D																										
3. Incident Name Frog Fire			4. Operational Period Date: August 05, 2015 Time: 0600- 2000																												
5. Operations Personnel																															
Operations Chief		Robin Wills / Dustan Mueller (t)		Division/Group Supervisor		Jesse Knox/Jack Kauffman (t)																									
Branch Director				Air Attack Supervisor No.																											
6. Resources Assigned this Period																															
Strike Team/Task Force/ Resource Designator	Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time																								
ENG T3 PNF-13 (E-7)	Steve Gonzalez		8/14	5	N	0700	1900																								
ENG T6 Woods 27 (E-5)	Rock Wood		8/14	4	N	0700	1900																								
ENG T3 #4121 (E-19)	Ryan Sherer		8/14	4	N	0700	1900																								
ENG T3 #4123 (E-20)	Eric Hannah		8/14	4	N	0700	1900																								
ENG T4 Pacific Habitat (E-36)	Gary Robinson		8/15	3	N	0700	1900																								
WT 4235 Canby (E-1)	Peter Cedotol		8/13	1	N	0700	1900																								
WT Gardner Ranch (E-47)	Clark Gardner		8/14	1	N	0700	1900																								
WT Wet & Wild (E-83)	Gary Begrin		8/15	1	N	0700	1900																								
TFLD (O-88)	Mike Seaton		8/14	1	N	0700	1900																								
SOF2 (O-2.43)	John Orton			1	N	0700	1900																								
READ	Garrett Knoles			1	N	0700	1900																								
7. Control Operations Hold and improve existing line. Mop up																															
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<table border="1"> <thead> <tr> <th>Function</th> <th>Frequency</th> <th>Name</th> <th>Channel</th> <th>Function</th> <th>Frequency</th> <th>Name</th> <th>Channel</th> </tr> </thead> <tbody> <tr> <td>Command</td> <td>RX167.1000N TX169.7500N</td> <td>CMD 5</td> <td>1 (Tx Tone 146.2)</td> <td>Primary Air to Ground</td> <td>RX168.5000N TX168.5000N</td> <td>A/G PRI</td> <td>12</td> </tr> <tr> <td>Tactical Div/Group</td> <td>RX166.5500N TX166.5500N</td> <td>R5 T4</td> <td>6</td> <td>Secondary Air to Ground</td> <td>RX167.9000N TX167.9000N</td> <td>A/G SEC</td> <td>13</td> </tr> </tbody> </table>								Function	Frequency	Name	Channel	Function	Frequency	Name	Channel	Command	RX167.1000N TX169.7500N	CMD 5	1 (Tx Tone 146.2)	Primary Air to Ground	RX168.5000N TX168.5000N	A/G PRI	12	Tactical Div/Group	RX166.5500N TX166.5500N	R5 T4	6	Secondary Air to Ground	RX167.9000N TX167.9000N	A/G SEC	13
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Tactical Div/Group	RX166.5500N TX166.5500N	R5 T4	6	Secondary Air to Ground	RX167.9000N TX167.9000N	A/G SEC	13																								
Prepared by (Resource Unit Leader) Rita Mustatia		Approved by (Planning Section Chief) Ed Paul		Date August 04, 2015		Time 2130																									

DIVISION ASSIGNMENT LIST				1. Branch		2. Division/Group G (page 1 of 2)		
3. Incident Name Frog Fire				4. Operational Period Date: August 05, 2015 Time: 0600-2000				
5. Operations Personnel								
Operations Chief		Robin Wills / Dustan Mueller (t)		Division/Group Supervisor		Mike Klimek, Brian Rogers (t)		
Branch Director				Air Attack Supervisor No.				
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator		Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC T1 Diamond MT. IHC (C-6)		Dan Varney		8/14	20	N	0700	1900
HC T1 Feather River IHC (C-2)		Robert Daniels			20	N	0700	1900
ENG T5 Utting (E-10)		Dave Deason			3	N	0700	1900
ENG T4 Firestorm (E-25)		Brad Clemens			3	N	0700	1900
ENG T6 Thunderbolt (E-39)		Donald Lafferty			3	N	0700	1900
ENG T6 ASI #2 (E-34)		Charles Bates			3	N	0700	1900
ENG T4 BLM 4451					4	N	0700	1900
DOZ Bens (E-56)		Bud Longford			2	N	0700	1900
WT Alturas (E-3)		Keth Moore			1	N	0700	1900
WT Cross (E-43)		Robert Cross			1	N	0700	1900
WT Holt Logging (E-82)		Paul Hardig			1	N	0700	1900
7. Control Operations Hold and improve existing line. Mop up. Scout opportunities for direct and indirect line construction. Prepare for burnout operations.								
Special Instructions: Backhaul all trash and excess supplies.								
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel	
Command	RX167.1000N TX169.7500N	CMD 5	1	Air to Ground Primary	RX168.5000N TX168.5000N	A/G PRI	12	
Tactical Div/Group	RX167.1125N TX167.1125N	R5 T5	7	Air to Ground Secondary	RX167.9000N TX167.9000N	A/G SEC	13	
Prepared by (Resource Unit Leader) Lou Ann Charbonnier		Approved by (Planning Section Chief) Edwin Paul			Date August 04, 2015		Time 2130	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group G (page 2 of 2)			
3. Incident Name Frog Fire			4. Operational Period Date: August 05, 2015 Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Robin Wills / Dustan Mueller (t)		Division/Group Supervisor		Mike Klimek, Brian Rogers (t)	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
Fallers Pro Plus (O-24)	Tracy Porter/ Wally Kurts	8/14	2	N	0700	1900	
FELB (O-44)	John Strom	8/16	1	N	0700	1900	
HEQB (O-16)	Bruce Robison	8/11	1	N	0700	1900	
HEQB (O-52)	Jason Berry	8/16	1	N	0700	1900	
HEQB (O-98)	Mark Bass	8/17	1	N	0700	1900	
TFLD (O-2.16)	Jeff Dion	8/14	1	N	0700	1900	
TFLD (O-94)	Joe Williams	8/17	1	N	0700	1900	
SOFR (O-11)	Randy Vinson	8/16	1	N	0700	1900	
FEMP (O-64)	Jeff Dacpano	8/6	1	N	0700	1900	
FEMT (O-58)	Mike Tidswell	8/17	1	N	0700	1900	
7. Control Operations Hold and improve existing line. Mop up. Scout opportunities for direct and indirect line construction. Prepare for burnout operations.							
Special Instructions: Backhaul all trash and excess supplies.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX167.1000N TX169.7500N	CMD 5	1	Air to Ground Primary	RX168.5000N TX168.5000N	A/G PRI	12
Tactical Div/Group	RX167.1125N TX167.1125N	R5 T5	7	Air to Ground Secondary	RX167.9000N TX167.9000N	A/G SEC	13
Prepared by (Resource Unit Leader) Lou Ann Charbonnier		Approved by (Planning Section Chief) Ed Paul		Date August 04, 2015		Time 2130	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group H		
3. Incident Name Frog Fire			4. Operational Period Date: August 05, 2015 Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Robin Wills, Dustan Mueller (t)		Division/Group Supervisor		Randy Jennings, Matt Radtke (t)	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC T1 Modoc IHC (C-26)		Willie Almand	8/15	18	N	0700	1900
HC T1 Klamath IHC (C-1)		Johnny Clem	8/14	20	N	0700	1900
ENG T3 Bohica (E-6)		David Breglia	8/12	3	N	0700	1900
ENG T4 Utting (E-22)		Kevin Kidd	8/14	3	N	0700	1900
ENG T6 Inbound #4 (E-32)		Adham Rowley	8/15	3	N	0700	1900
ENG T6 Inbound #01(E-31)		James Spoon	8/15	3	N	0700	1900
ENG T3 HeliFire (E-8)		Theresa Pitt	8/15	3	N	0700	1900
WT LNF 185 (E-91)		Bobby Bryant	8/15	2	N	0700	1900
WT Get Wet (E-46)		Tyler Minto	8/15	1	N	0700	1900
WT Leventon (E-45)		Scott Leventon	8/13	1	N	0700	1900
DOZ Ben's (E-53) + transport		Eric Spratt	8/14	2	N	0700	1900
DOZ Ben's (E-89) + transport		Greg McCarty	8/15	2	N	0700	1900
HEQB (O-100)		John Ross	8/17	1	N	0700	1900
HEQB (O-101)		Darren Cluff	8/16	1	N	0700	1900
TFLD (O-42)		Max Twombly	8/16	1	N	0700	1900
STCR (O-41)		Don Fullmer	8/16	1	N	0700	1900
FEMP (O-85)		Larry Campbell		1	N	0700	1900
FOBS (O-4)		Kay Kudo	8/16	1	N	0700	1900
SOF2 (O-55)		Larry Sears	8/16	1	N	0700	1900
7. Control Operations							
Hold and improve existing lines. Mop up.							
Scout opportunities for direct and indirect line construction.							
Prepare for burnout operations.							
Special Instructions:							
Backhaul all trash and excess supplies.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX167.1000N TX169.7500N	CMD 5	1 (Tx Tone 146.2)	Primary Air to Ground	RX168.5000N TX168.5000N	A/G PRI	12
Tactical Div/Group	RX168.2500N TX168.2500N	NIFC T7	11	Secondary Air to Ground	RX167.9000N TX167.9000N	A/G SEC	13
Prepared by (Resource Unit Leader) Rita Mustafia		Approved by (Planning Section Chief) Ed Paul		Date August 04, 2015		Time 2115	

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group J		
3. Incident Name Frog Fire			4. Operational Period Date: August 05, 2015 Time: 0600- 2000				
5. Operations Personnel							
Operations Chief		Robin Wills, Dustan Mueller (t)		Division/Group Supervisor		Mike DeMello , Charles Christensen (t)	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG T4 Central #741 (E-37)	David Parsons		8/15	3	N	0700	1900
ENG T6 ASI #3 (E-35)	Michael Holloway		8/15	3	N	0700	1900
ENG T6 Diamond 117(E-30)	Tom Wesley		8/15	3	N	0700	1900
ENG T4 BLM 4406 (E-16)	Tommy Braun			4	N	0700	1900
WT Phillip Wills (E-81)	Mike Dainauskus		8/15	1	N	0700	1900
WT Holt Logging (E-84)	Dennis Simpson		8/15	1	N	0700	1900
WT Darrah (E-42)	Cory Preston		8/13	1	N	0700	1900
WT Darrah (E-49)	John Hondeshell		8/13	1	N	0700	1900
DOZ Stewart (E-98)+Transport	Tom Stewart / Dan Harrison			2	N	0700	1900
TFLD (O-17)	Philip Bordelon		8/7	1	N	0700	1900
TFLD (t)	Tony Jimenez		8/10	1	N	0700	1900
SOF2 (O-56)	Phil Young		8/16	1	N	0700	1900
FEMP (O-59)	Chris Wisley		8/17	1	N	0700	1900
FEMT (O-57)	Richard Zinchuk		8/17	1	N	0700	1900
7. Control Operations							
Hold and improve existing line. Mop up.							
Scout opportunities for direct and indirect line construction.							
Prepare for burnout operations.							
Special Instructions:							
Backhaul all trash and excess supplies.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX167.1000N	CMD 5	1 (Tx Tone 146.2)	Primary Air to Ground	RX168.5000N	A/G PRI	12
	TX169.7500N				TX168.5000N		
Tactical Div/Group	RX168.2375N	R5 T6	8	Secondary Air to Ground	RX167.9000N	A/G SEC	13
	TX168.2375N				TX167.9000N		
Prepared by (Resource Unit Leader) Rita Mustafia		Approved by (Planning Section Chief) Ed Paul		Date August 04, 2015		Time 2130	



INCIDENT Weather Forecast



FORECAST NO: 5

NAME OF FIRE: Frog Fire

PREDICTION FOR: Wednesday Day SHIFT

UNIT: Modoc NF

SHIFT DATE: August 5, 2015

SIGNED: Mike Smith

TIME AND DATE

Incident Meteorologist

FORECAST ISSUED: 2100 August 4, 2015

WEATHER DISCUSSION: Weak high pressure will build over the state behind a weather system that moved through northern California on Tuesday. Some lingering clouds may be around in the early morning but most of Wednesday should see fair skies. Despite the clearer skies, an onshore flow pattern should keep conditions from changing much with little change expected in afternoon temperature or humidity or winds. A slight warming and drying will occur on Thursday as another low pressure system approaches the coast from off the Pacific. This system will move into northern California on Friday bringing another round of cloudy skies and a threat of thunderstorms as well as a little cooling.

WEATHER FORECAST:

WEATHER: Scattered clouds early in the morning then mostly sunny.

TEMPERATURES: Maximum temperatures 84-87.

HUMIDITY: Minimum humidity 20 to 25%

EYE LEVEL WINDS:

RIDGETOP - Light southwest winds to 4 mph in the morning increasing after about 1000 becoming southwest to west 3-7 mph. Gusts up to 10 to 15 mph out of the west to southwest in the mid to late afternoon most exposed areas.

SLOPE/VALLEY - Light and variable in the morning hours becoming southwest to west 2-5 mph with gusts to 12 mph most exposed areas.

STABILITY/INVERSION: Moderately stable through the day with shallow inversions during the early morning hours. .

Forecast for Wednesday Night Shift: Fair skies. Minimum temperatures 54 to 58. Maximum humidity recovery 55 to 65%. Winds dropping off after sunset becoming light and variable mainly north to northeast to 4 mph most exposed areas.

OUTLOOK FOR Thursday: Fair Skies. Maximum temperatures 85-89. Minimum humidity 15 to 20%. Winds light and variable in the morning mainly northeast becoming southwest 2-5 mph after about 0900. Gusts up to 10 to 15 mph out of the southwest in the mid to late afternoon exposed areas.

EXTRA INFORMATION: Sunrise 6:04 Sunset 8:18

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 9	TYPE OF FIRE: Wildland Fire
FIRE NAME: Frog	OPERATIONAL PERIOD: 8/5, 0600 to 2000
DATE ISSUED: 8/4/15	TIME ISSUED: 2000
UNIT: Modoc National Forest	SIGNED: /s/ John Wood FBAN

INPUTS

WEATHER SUMMARY: Weak high pressure will build over the state behind a weather system that moved through northern California on Tuesday. Some lingering clouds may be around in the early morning but most of Wednesday should see fair skies. Despite the clear skies, an onshore flow pattern should keep slight warming and drying will occur on Thursday as another low pressure system approaches the coast from the Pacific. This system will move into northern California on Friday bringing another round of cloudy skies and a threat of thunderstorms as well as a little cooling.

Expect maximum temperatures 84-87 degrees. Minimum humidity, 20-25% Eye Level Winds Ridge top Southwest to 4 mph but gusts 10-15. Valleys variable, becoming 2-5 mph out of the southwest but occasional gusts to 12 mph.

Haines Index: 3

Burning Index: 66 **ERC:** 61

OUTPUTS

GENERAL: Local thresholds from the pocket card are good targets for establishing trigger points: Temp above 90, Relative humidity below 20%, wind speeds 5 mph or higher and BI over 51. Although 1000 hour fuels are showing seasonally average at 12% they are low enough to burn with intensity and burn down quickly. Concentrations of heavy fuels can provide the energy to initiate pushes by the fire without a lot of wind. These pushes can burn with intensity be somewhat self-sustaining and are bolstered by low live fuel moistures at 113% in Bitterbrush. Live fuel moistures this low are a key ingredient for active fire spread. In the light fuel models expect rates of spread 4-8 ch/hr and flame lengths around 2-4 feet. In the shrub fuels expect rates of spread up to 25-35 ch/hr and flame lengths 8-11 ft. In the timber litter expect rates of spread 3-6 ch/hr with flame lengths 2-3 ft.

SPECIFIC: Fine fuel moisture 3% Probability of ignition up to 86% Spot distance around 1/3 mile

Division A, D and X: Heavies holding heat will likely be the only sources of heat on these divisions. No significant fire behavior expected on these divisions.

Division G: Some heat remains near control lines and although slight, the potential for spotting to occur exists. Islands and green pockets will continue to burn within control lines some potential for brief flare ups generating fire brands. Spotting potential remains.

Division H: Typical August conditions are present and persistent, active fire spread should be expected. Dry fuels will burn with intensity and may present conditions that will challenge containment efforts. Fire brands from torching may occur as fire spreads through unburned fuel, creating embers. New spots from embers and holdover spots are possible. Spots will likely initiate quickly.

Division J: Where available fuels are present, fire will continue to spread actively in available fuel. Recent burn down of heavy fuels will keep spotting potential a concern to control lines although the potential will diminish with time.

AIR OPERATIONS

Cloud cover may persist through the morning adding to any visibility issues that develop because of smoke. This is most likely to occur early in the shift but should mix out by late morning.

Safety Message

Look for areas of intense heat as stumps, deep duff and other concentrations of fuels burn down. To avoid burns from stepping into these hazards. Signs are light grey ash, light smoke rising from holes in the ground and heat waves or radiant heat from the fuels burning.

INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

FROG CA-MDF-000570

Date/Time Prepared

08-04-15 1700

Operational Period Date/Time

DAY SHIFT 08-05-15

Only frequencies listed on this 205 are authorized for use on this incident.

Radio programmers accept all responsibility for the use of unauthorized frequencies.

Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	NIFC CMD 5	CMD 5	ALL DIVISIONS	167.1000N		169.7500N	146.2 T5	A	ROUND MTN
2	NIFC CMD 12	CMD 12	UNASSIGNED	173.0375N		167.3250N	127.3 T12	A	HAPPY CAMP LOOKOUT
3	NIFC SPCL	NONE	UNASSIGNED					A	FUTURE USE
4	BACKUP CMD	MDFFOR 5	ALL DIVISIONS	170.7375N		164.9875N	146.2	A	GROUSE MTN REPEATER
5	BACKUP CMD	MDFFOR 7	ALL DIVISIONS	170.7375N		164.9875N	167.9	A	RED SHALE BUTTE REPEATER
6	TACTICAL	R5 T4	DIVISION D	166.5500N		166.5500N		A	
7	TACTICAL	R5 T5	DIVISION G	167.1125N		167.1125N		A	NOTE: TX TONES ON ALL CHANNELS ARE HARD CODED
8	TACTICAL	R5 T6	DIVISION J	168.2375N		168.2375N		A	
9	TACTICAL	NIFC T5	DIVISIONS A and X	166.7250N		166.7250N		A	KEYPAD SELECTION NOT REQUIRED
10	TACTICAL	NIFC T6	CONTINGENCY GROUP	166.7750N		166.7750N		A	
11	TACTICAL	NIFC T7	DIVISION H	168.2500N		168.2500N		A	
12	PRIMARY AIG	AIG PRI	ALL DIVISIONS	168.5000N		168.5000N		A	(A-35)
13	SECONDARY AIG	AIG SEC	ALL DIVISIONS	167.9000N		167.9000N		A	(A-82)
14	NOT ASSIGNED								
15	CALCORD	MED HELO CONTACT	ALL DIVISIONS	156.0750N		156.0750N	156.7	A	
16	URGENT AIR CONTACT	AIR GUARD	ALL DIVISIONS	168.6250N		168.6250N	110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1

Prepared by

Incident Location

Rick Cartoscelli, COML NorCal IMT 1

MODOC NATIONAL FOREST

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.	TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
Bucket Support	Bucket support as requested by Operations	As requested	Frog HB / AAT	Fire	
PAX/Cargo	Helicopter best suited to request	0830	Frog HB	Fire	
MEDIVAC	Request thru ICP Communications & MEDL on Command Repeater. Give location, lat/long if known./refer to Medical Plan / IAP	As requested	As directed	As directed	
Recon / Mapping	Request thru Operations as needed	As requested	Frog HB	Fire	
Initial Attack Assistance	Support I.A.as requested by Operations	As requested		As directed	

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period					
FROG FIRE				Date/Time 8/05/15 0600-2000					
3. Ambulance Services									
Name		Location		Phone & EMS Frequency		Advanced Life Support (ALS) Yes No			
Medic 21 – Incident Ambulance		Lava Camp Ground (NEW LOCATION)		Contact on Command		X			
4. Air Ambulance Services									
Name		Phone		Type of Aircraft & Capability					
Emergency Air Lift	30 min eta	911 or 800-804-4911		Air Ambulance – Klamath Falls, OR					
Mountain Life Flight	30 min eta	911 or 530-257-2444		Air Ambulance – Susanville, CA					
Calfire H-202	15 min eta	911 or 530-257-5575 (SIFC)		Hoist Rescue– Bieber, CA					
CANG 825	50 min eta	911 (Must be ordered through ECC)		Hoist Rescue – Redding, CA Day/Night					
H-527		Contact Helibase 805-886-5850		Incident ship – Helibase N41°29.537 x W120°58.218					
5. Hospitals									
Name & Level		GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Helipad Yes No		Address	
Mayer's Memorial Hospital		Lat:	N41°01.47		10 min	1:30 hrs	530-336-5511	X	43563 Hwy 299E, Fall River Mills, CA
		Long:	W121°25.43						
		VHF:							
Modoc Medical Center		Lat:	N41°28.48		10 min	1:10 hrs	530-233-5131	X	228 McDowell, Alturas, CA
		Long:	W120°32.42						
		VHF:							
Shasta Regional Medical Center		Lat:	N40°35.08		40 min	2:45 hrs	530-244-5353	X	1100 Butte, Redding, CA
		Long:	W122°23.25						
		VHF:							
UC Davis Level I Trauma/Burn Center		Lat:	N38°33.17		1.5 hrs	6 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
		Long:	W121°27.05						
		VHF:							
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily									
Crew EMTs & Equipment									
Fireline EMTs & Location									
Adv. Life Support?									
Air Hoist site:									
Lat: / Long:									
Helispot:									
Lat: / Long:									
Alternate no-fly plan:									
7. Remote Aid Stations									
FROG Medical Unit– ICP Ambrose N41°29.537 W120°58.218		Point of Contact:			MEDL – Josh Ramey (Cell: 530-277-1213)				
		EMS Responders & Capability:			Frontline Medical – Advanced Life Support				
		Equipment Available on Site:			Medical supplies				
		Ambulance ETA :			Air – 30 min. Ground – 35 min.				
8. Prepared By (Medical Unit Leader)				9. Date/Time		10. Reviewed By (Safety Officer)			11. Date/Time
Josh Ramey – MEDL 530-277-1213				8/4/15 2030		Michele Tanzi			8/4/15 2030

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"

Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: *Provide incident summary and command structure.*

- **Nature of Injury/Illness** *Describe the injury (Ex: Broken leg with bleeding)* _____
- **Incident Name** *Geographic Name + "Medical" (Ex: Trout Meadow Medical)* _____
- **Incident Commander (Division Sup. or designee)** *Name of IC* _____
- **Patient Care** *Name of Care Provider (Ex: EMT Smith)* _____

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report.*

- **Number of Patients:** _____ - **Male / Female:** _____ - **Age:** _____ - **Weight:** _____
- **Conscious?** YES NO = MEDEVAC! - **Breathing?** YES NO = MEDEVAC!
- **Mechanism of Injury** *What caused the injury?* _____
- **Location, Lat/Long** (Datum WGS84) *Ex: N 40° 42.45' x W 123° 03.24'* _____

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED <i>Life threatening injury or illness.</i> <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW <i>Serious Injury or illness.</i> <i>Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN <i>Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Routine of Convenience.

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

- Helispot
- Short-haul/Hoist
- Life Flight
- Other

Ground Transport:

- Self-Extract
- Carry-Out
- Ambulance
- Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

- Paramedic/EMT(s)
- SKED/Backboard/C-Collar
- Crew(s)
- Burn Supplies
- Oxygen
- Trauma Bag
- Medication(s)
- IV/Fluid(s)
- Cardiac Monitor/AED
- Other (i.e. splints, rope rescue, wheeled litter)

7. COMMUNICATIONS:

- Run Medical Emergency on Command
- Coordinate with air ambulance on CALCORD tone 6

8. EVACUATION LOCATION:

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* _____
- **Patient's ETA to Evacuation Location:** _____
- **Helispot/Extraction Size and Hazards:** _____

9. CONTINGENCY: *If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...*

REMEMBER:

- Confirm ETA's of resources ordered
- Act according to your level of training
- If air or ground ambulance is **DELAYED:** Package and transport patient to rendezvous with incoming Ambulance. Re-route EMS helicopter to rendezvous point as appropriate.

Frog Fire Incident Risk Analysis (215A)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Communications	Ensure you have the most current communication plan Use Human repeaters where necessary. A/G primary will be in use today...168.5000
All	Hydration & Preventing Heat Illness	Drink water in addition to electrolyte drinks in a 2 waters to 1 electrolyte ratio. Electrolyte drinks are best consumed as is, not diluted.
All	Potential difficulty in establishing lookouts due to terrain features	Scout for vistas with a good line of site.
All	Escape Routes to Safety Zones	Continue to re-assess your position to your known Escape Routes to Safety Zones. Identify Management Action Points with Operations and Division Supervisors and make them known to all!
All	Difficult terrain conditions & providing for emergency medical needs.	Review Med Plan before the need arises. Limit high risk activities. Identify Medevac sites and provide info to your DIVS. Ensure that each crewmember is aware of the relatively unique hazards associated with this country
All	Firing Operations	Ensure that communications are in place with both ground and air resources. Brief all resources including adjoining divisions on plan. Use qualified personnel for all assignments and ensure trainees have qualified trainers.
All	Fire Behavior & Spotting Potential	Dramatic Increase in FB with any wind. Spot Fires possible! Keep eyes to the green. Keep one foot in the black till you come up with a safe plan. Make good decisions. Have a plan & make it known.
All	Air Operations	Ensure resources are clear of the target area during bucket or retardant use. Evaluate the risk versus the gain for each target. Use the identified air to ground frequency when communicating with the aircraft. Use only qualified individuals when involved with long line operations.
All	Working around heavy equipment	Maintain safe working distances from dozers. Utilize observers or spotter. Have effective communication with the operator at all times.
All	Driving	SLOW down! Initial attack phase is over. Drive slowly and defensively. Distance your vehicles when roads surfaces are dusty for better visibility. Headlights ON! Seat Belts ON! NO Cell Phone Use while driving!

Date & Time Prepared: August 4th, 2015 @ 2100 hrs. Prepared By: Michele Tanzi, SOF1 & Jeff Barnhart, SOF2
Operational Period: August 5th, 2015 Day Shift, 0600 - 2000 hrs.



**Today's discussion is from the
Fireline Safety Category.**

DOZER/TRACTOR PLOW OPERATIONS

Dozers/tractor plows provide suppression and support capability for fire operations. When working on or around dozers on the fireline, it is important to respect the following guidelines:

- Load/unload equipment from the transport in a safe manner on a level, stable surface.
- Park transport in an area free of fuel. Clear an area if needed to protect parked equipment.
- Do not sit or bed down near equipment. Walk around the equipment before starting or moving it.
- Lower the dozer blade and/or fire plow to the ground when the equipment is idling or stopped.
- When working a dozer or tractor plow, stay at least 100 feet in front or 50 feet behind the equipment.
- Allow no one but the operator to ride on the equipment.
- Never get on or off equipment while it is moving.
- Provide front and rear lights for equipment working at night or in heavy smoke.
- Provide lights and fluorescent vests to personnel working with dozer/tractor plow units.
- Use hand signals for direction and safety. (See Fireline Handbook Appendix A or IRPG pg 91, for hand signals.)
- Do not use a dozer or tractor plow without a canopy or brush guard and radio communications.
- Operators will wear required PPE and carry a fire shelter.
- Be aware of different fuel types, rates of spread, and flammability.
- Watch for wetlands, steep slopes, rocks, ditches, and other obstacles that might stop the equipment.
- Do not get too far ahead of a firing crew during firing operations.
- Anchor the line to a secure firebreak and create a black line (burn out) until the fire is completely enclosed.
- Tractor plow operators should wear headgear protection for head, face, eyes, and ears while also providing radio reception and ventilation capabilities.
- Tractor plow crews should consist of a minimum of two people.
- When the dozer or tractor plow is equipped with a hand-clutch lever, always take equipment out of gear when mounting and dismounting.

References:

[Safety and Occupational Health Manual Handbook, BLM--1112-1](#)
[Interagency Standards for Fire and Fire Aviation Operations](#)
[Incident Response Pocket Guide](#)

Have an idea? Have feedback? Share it.

ONLINE | MAIL: 6 Minutes For Safety Task Group • 3833 S. Development Ave • Boise, ID 83705 | FAX: 208-387-5250

6 Minutes Home



File Code: 6730**Date:** August 4, 2015**Route To:****Subject:** Firefighter Fatality Frog Incident: 72 Hour Report**To:** Lenise Lago, Designated Agency Safety and Health Official**Number and Type of Injuries:** One fatality**Name:** David Ruhl

On the evening of July 30, 2015, 38 year-old Black Hills National Forest Engine Captain, David "Dave" Ruhl, while scouting on foot during initial attack of the Frog Fire on the Modoc National Forest, was entrapped and killed.

Narrative:

Dave was on a temporary detail assignment to the Modoc National Forest when the Frog Fire began. He scouted the fire as initial attack forces worked to establish an anchor at the heel of the fire. Contact was lost with him shortly after fire activity increased across the fire.

The Modoc County Sheriff's Office responded to search for the missing firefighter at approximately 8 p.m., July 30. The initial search effort continued until about midnight when it was halted due to smoke, poor visibility and the hazardous fire conditions. Efforts began again at 6 a.m., July 31. Dave was discovered deceased at 9:17 a.m.

A Coordinated Response Protocol (CRP) Learning Team in briefed with the forest on Monday August 3, 2015. The team is scheduling interviews with selected personnel to learn from these tragic events.

/s/ Mike Dudley

MIKE DUDLEY

Coordinated Response Protocol Team Leader

cc: Steve Schlientz, Tom Harbour, Jeanne Wade, Amanda McAdams



TRAINING MESSAGE

Trainees:

If you haven't checked in with the Training Specialist, do so today.
It will only take 5 minutes, and it will save you work when you get home.

Get it done now, get it done right.



Training is located in the Plans Trailer at ICP

Bring your task book and red card.

"I have never let my schooling interfere with my education."

- Mark Twain

Date & Time Order was placed:		Order #	Location & Time for Delivery (DIV,LZ,DP,Lat Long)		Mode of delivery
		(DIVS+#)			(Driven/Helo/DIVS to Pick up)
			Lat:		
			Long:		
Order received in Communications by (Name):					Time:
Order shipped to line by (Name): (Send this sheet to the line with the order)					Time:
#	Item				
1	1,000 Foot Hose Lay includes the following: Amount_____				
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles				
2	2,000 Foot Hose Lay includes the following: Amount_____				
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles				
3	3,000 Foot Hose Lay includes the following: Amount_____				
	30, 100'x1½" Rolls Hose; 30, 100'x1" Rolls Hose; 30, 1½" Gated Wyes; 30, 1½" to 1" reducers; 30, 1" nozzles				
#	Item	Amount	#	Item	Amount
4	Hose (50') garden, 3/4"		30	Gas Unleaded (Gallons)	
5	Hose (100'), 1"		31	Oil 2 cycle, (Pints)	
6	Hose (100'), 1½"		32	Bar Oil (Qts)	
7	Nozzle, Garden, 3/4"		33	Drip Torch ea	
8	Nozzle, Forester, 1"		34	Drip torch mix 3.5:1.5 (gallon)	
9	Nozzle, KK Type, 1"		35	Fusees (Boxes or cases)???	
10	Nozzle, KK Type, 1½"		36	Flare Gun Rounds (12/BX)	
11	Wye, Gated, 3/4"		37	Cartridge #6 purple (box)	
12	Wye, Gated, 1"		38	Batteries "AA" PKGs(24/PKG)/BX	
13	Wye, Gated, 1½"		39	Ribbon, Flagging (Specify Color)*	
14	Inline-Tee, 1x1x3/4"		40	Water, Cubies	
15	Inline-Tee, 1x1x1"		41	Water, Bottled, Cases	
16	Inline-Tee (1½" X 1")		42	Gatorade	
17	Reducer, 1" X 3/4"		43	MRE's (12/BX)	
18	Reducer, 1½" X 1"		44	Heavy Mill Plastic	
19	Increaser, 3/4" X 1"		45	Washcloth, waterless, cleansing	
20	Increaser, 1" X 1½"		46	Wrap, Structure 54"x300'	
21	Foam 5 gal		47	Sprinkler Kit	
22	Foam 4 oz (For Backpack Pump)		48	Mark 3 Pump	
23	Backpack Pump		49	Mark 3 Pump Kit- w/10 gal mixed fuel	
24	Pumpkin (Gallons?)		50	Chainsaw Kit	
25	Porta-Tank (Gallons?)		51	Mop-Up Kit, 3-Wand	
26	Shovel		52	Pump Kit, Lightweight, 2 Cycle	
27	Pulaski		53	Gas, Raw and 2 qts 2-cycle oil, ea	
28	Combi Tool		54	Lightweight Pump Kit-Cache w/5gal fuel	
29	McCloud		55	Gas, raw (gal) and 1 qt 2-cycle oil, ea.	
Notes:			Notes:		





WE NEED YOUR PICTURES!

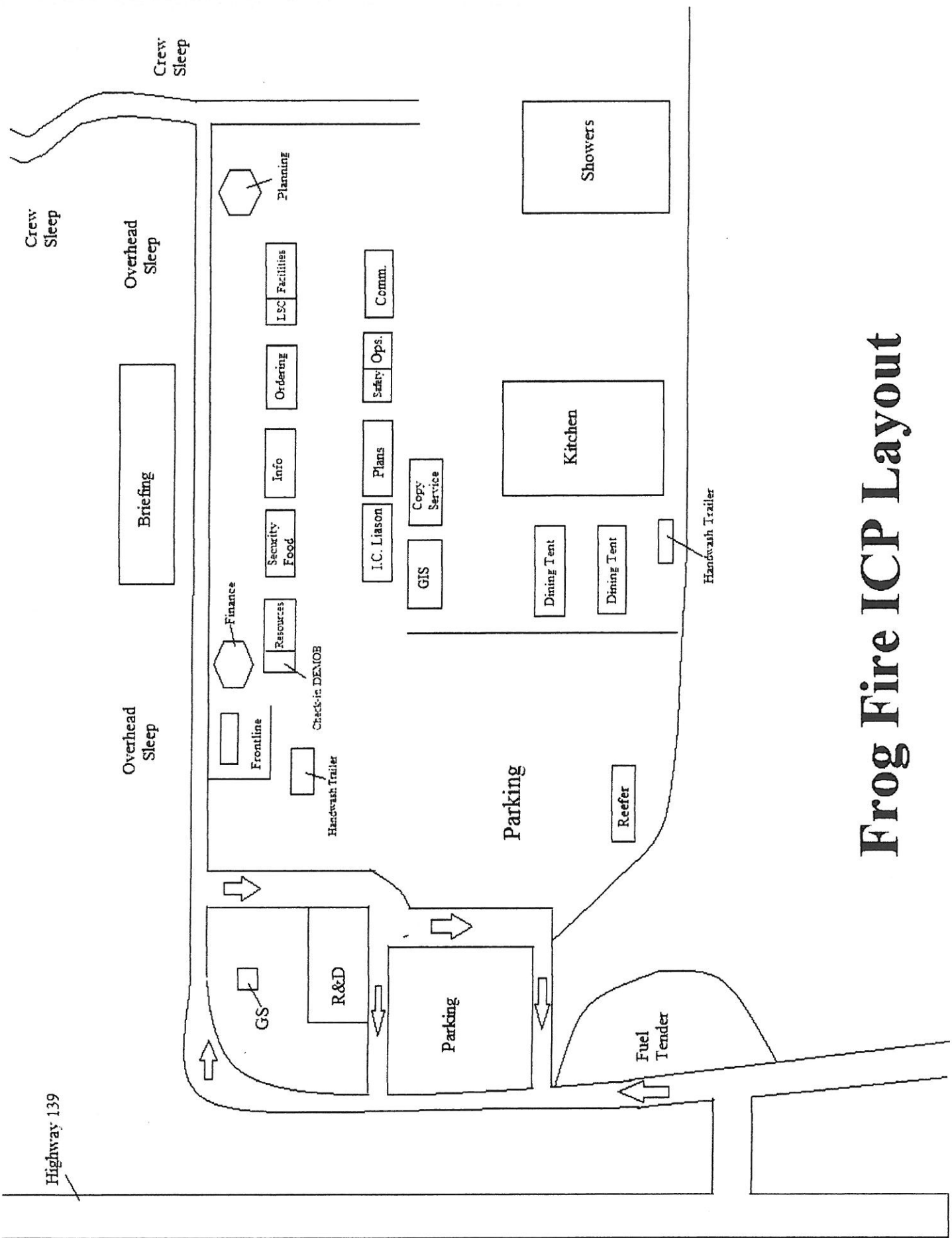
If you have photos or video from this fire please stop by the PIO Office in the ICP or scan the QR code below and it will take you to our email and you can send your stuff directly to us and we can post them to Inciweb and our Facebook and Twitter pages.

Just remember:

- Be safe when taking pictures
- Make sure Firefighters are wearing all PPE
- Give us the basics of the photo such as time and date, location, crew or person shown, etc.
- Show your Agency in a positive light be professional.
- Do not take photos of accidents, injuries, near misses, etc.

Nor Cal Team 1 PIO Email





Frog Fire ICP Layout

